

EMERGE™ PC/ABS 7160ECO

(PC+ABS)

Trinseo

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 5.5 | g/10min | ASTM D 1238 |
| Temperature | 230 | °C | - |
| Load | 3.8 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 2130 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 46 | MPa | ASTM D 638 |
| Tensile Strength at Break | 38 | MPa | ASTM D 638 |
| Elongation at Yield | 2.5 | % | ASTM D 638 |
| Flexural Modulus | 2370 | MPa | ASTM D 790 |
| Flexural Strength | 73 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 550 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1 | mm | - |
| Coefficient of Thermal Expansion, MD | 87.5 | E-6/K | ASTM D 696 |
| Coefficient of Thermal Expansion, TD | 10.5 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 95 | °C | ASTM D 648 |
| DTUL @ 264 psi | 80 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1140 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 240 - 260 | °C | - |
| Mold temperature | 60 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine, Electrical and Electronical

Certifications

Recycled Resin Content

Regional Availability

Asia Pacific